

Abstract Of The Disclosure

A method and system are provided for processing multiple sensor output signals of different ranges/sensitivities so as to provide a seamless transition when switching between the different ranges.

More specifically, a determination is made as to whether a selected sensor output range is of a sensitivity higher than a predetermined sensitivity. If the sensitivity is higher, the value of a higher sensitivity sensor output is converted to a value corresponding to the predetermined sensitivity range. An error value is then determined between the converted sensor output value and a sensor output corresponding to a range having the predetermined sensitivity. The sensor output is then modified based on the error value when the control process switches from the selected sensor output to the sensor output corresponding to the predetermined sensitivity. This insures that no glitches will occur in a controller output at the time of switchover.